

CENTRAL INTELLIGENCE AGENCY
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1. Scientific research on carcinoma and carcinogenic substances is rather well developed in the USSR, although it is not as systematic and fruitful as it is in the US. Oncology in the USSR has always been under the influence of scientific achievements in the US and Germany. For instance, it was only in 1937 that Professor Savits'kyy succeeded in synthesizing carcinogenic substances in the Laboratory of Organic Chemistry at the Ukrainian Institute of Experimental Medicine. Previously imported compounds, chiefly those of I Berenblum, were used.
2. scientists who worked in this field in the USSR: 50X1
M A Magat, L M Shabad, and A D Iymofievs'kyy.
3. Professor M A Magat (The Kiev Roentgen-Radiologic Institute worked with 1,2,5,6,-dibenzanthracene, water, and colloid substances; but he obtained the compound from Berenblum and Boyland. In one of his works, Magat maintained that this compound did not cause malignancy and had no effect on growth and carbohydrate metabolism of a tissue culture even on the 12th day. Sometime later Magat and his collaborator Lebenzon stated that after a longer period of action of the compound on a tissue culture, they did observe stimulation of growth and energetic ingrowing of the implanted tissue into the normal one.
4. M Magat's works were published in:
 - (1) The Medical Journal of the Ukrainian Academy of Sciences, part 7, second edition, pp 381- 1937.
 - (2) Experimental Medicine, a publication of the Ukrainian Institute of Experimental Medicine, I, 10 - 1935.
 - (3) Problems in Oncology, 1930 and 1937. 50X1

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- (4) Zeitschrift fuer Krebsforschung /Journal of Cancer Research / 36, 2.15.1932, and others.

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5. It must be said, in general, that M Magat is a prominent researcher on cancerous tumors and carcinogenic substances/
6. Professor L M Shabad (Leningrad) also works on carcinogenic substances. For instance, he applied 1, 2, 5, 6-dibenzanthracene to the skin of various animals and caused malignancy. Shabad was the first to make a discovery of extraordinary importance--he extracted a carcinogenic substance from the liver of a man who had died of cancer of the stomach but who had had no metastases, and with the help of this substance Shabad produced experimental cancer in animals.
7. The works of L Shabad have been published in various periodicals, particularly in the following:
- (1) Bulletin of Experimental Biology and Medicine, 3, third edition, pp 269 - 1937.
- (2) Zeitschrift fuer Krebsforschung, 42, 295 - 1935 and others.
8. Professor A D Tymofievs'kyy (Kharkov, Institute of Roentgenology and Radiology) is very active in research on tissue cultures. He has worked with various carcinogenic substances (1,2-benzopyrene, methyl chloranthrene and others). He has conducted some of this research in collaboration with other researchers. Along with Benevolens'ka, Tymofievs'kyy discovered: (1) that carcinogenic substances cause dissociation between cell multiplication and carbohydrate metabolism; (2) that sugar consumption remains rather high when the growth and multiplication of tissue cultures are sharply repressed; and (3) that atypical mitosis occurs in the cultures at a certain stage in the action of carcinogenic substances.
9. His works are published in many journals. 50X1
- (1) Problems in Oncology 10, second edition, 22, 1936
- (2) General and Specific Oncology. An article entitled "The Biology of a Cancer Cell." I, pp 33, 194 /probably pp 33-194/.
10. A great scientific center where research on problems connected with carcinoma is conducted is the Institute of Experimental Biology and Pathology in Kiev, Vynogradnya Ulitsa No 11. The Institute is called imeni A Bogomolets; and the department of comparative and experimental oncology is directed by Professor Rostyslav Kavets'kyy. The works of this department and the entire Institute are published in the Medical Journal of the Ukrainian Academy of Sciences in Kiev.

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